pH (Hydrogen Ion) Electrometric Method
SM 18th/19th /20th 4500 H^+ B **Page 1 of 1**

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Is the meter accurate and reproducible to 0.1 pH unit and equipped with a temperature-compensation adjustment?	4500-H^+B 2.a				
Is the electrode storage solution in accordance with manufacturer's instructions?	4500-H^+B 4.a				
If a nonsealed electrode is used, is it filled with the correct electrolyte to the proper level?	4500-H^+B 2.b				
Is slope adjustment performed using at least two buffer solutions?	4500-H^+B 4.a				
Are buffer solutions within the listed expiration, or have they been prepared within the last four weeks?	4500-H^+B 3.a				
Is the temperature of buffer solution recorded during standardization, and is the meter adjusted to indicate the true pH value of the buffer at the test temperature? (*Only if using a meter with a temperature dial.)*	4500-H^+B 4.a				
Following calibration, is a buffer analyzed as a check sample with an acceptable range of ± 0.1 pH unit from the true value of the buffer?	4500-H^+B 4.a				
Is the sample stirred gently during measurement to minimize carbon dioxide entrainment?	4500-H^+B 4.b				
Is equilibrium established between electrode and sample during measurement?	4500-H^+B 4.b				
Are the electrodes rinsed and blotted dry with a soft tissue before each reading? (Disregard if a portion of the next sample to be analyzed is used as a rinse.)	4500-H^+B 4.a				
Notes/ Comments:					